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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 OF 5

Complete if Known

Application Number - 10/005,438

Filing Date - Dec. 3, 2001

First Named Inventor - Tse Wen Chang

Group Art Unit - 1642

Examiner Name - S. UNGAR

Attorney Docket Number TNX95-2ABB

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Documents		U.S. Patent Document Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Number Code	Kind (if known)			
	4973478	B1	Gaudin, et al.	05/24/1989	
	5004605	B1	Hershenson, et al.	04/02/1991	
	5460811	B1	Goeddel, et al.	10/24/1995	
	5468809	B1	Revel, et al.	11/21/1995	
	5468808	B1	Revel, et al.	11/21/1995	
	5468807	B1	Revel, et al.	11/21/1995	

FOREIGN DOCUMENTS

Examiner Initials	Foreign Patent Documents			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation
	Office	Number	Kind Code (if known)				
	EP	0083069	B1	Itch, et al.	08/11/1987		
	EP	0064681	A2	Taniguchi, et al.	11/17/1982		
	EP	0487418	A1	Burnett, et al.	01/22/1992		
	WO	9118353	A1	Laroché, et al.	10/31/1991		

Examiner Signature	<i>[Signature]</i>	Date Considered	4/12/06
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number 10/005,438

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First Named Inventor - Tse Wen Chang

Group Art Unit 1642

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	Number Code	Kind (if known)			
	5015730	B1	Friesen, et al.	05/14/1991	DUPLICATE <i>Duplicate</i> 1.1 <i>Duplicate</i>
	4289689	B1	Friesen, et al.	09/15/1981	
	5428130	B1	Capon, et al.	06/27/1995	
	5348053	B1	Landolfi	09/20/1994	

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		Group Art Unit 1642	
		Examiner Name S. UNGAR	
SHEET <u>3</u> OF <u>5</u>	Attorney Docket Number TNX95-2ABB		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	T 2
		Huston, J.S. et al., Methods in Enzymology, 203:46-88 <i>Duplicate</i>	
sc		Landolfi, N.F., J. Immunol, 146:915-919 (1991), Chimeric IL-2/Ig Molecule.	
		Petermans, A., et al., Analytical Biochemistry, 163(2):470-75 <i>Duplicate</i>	
sc		Baron, E. and Narula S., Biotechnology, 10:179-190, 1990, From cloning to a commercial realization: Human alpha interferon.	
		Bocci, V., Interferon, 4:47-72, 1985, Distribution, catabolism and pharmacokinetics of interferons.	
		Bohoslawec, O. et al., J. Interferon Res., 6:207-213, 1986, Pharmacokinetics and tissue distribution of recombinant human alpha A, D, A/D(Bgl), and I interferons and mouse alpha-interferon in Mice.	
		Bonetti, A. and Kim, S. Cancer Chemother Pharmacol. 33:258-261, 1993, Pharmacokinetics of an extended-release human interferon alpha-2b formulation.	
		Brown, K.D. Genetic Engineering News, 15:1-35, 1995, Novel emerging therapeutics target the hepatitis C virus.	
		Brunt, J.V., Biotechnology, 7:549, 1989, Interferon trials proliferate.	
		Cantell, K. et al., Methods in Enzymology, 78A:29-38, Academic Press, 1981.	
		Coligan, J.E. et al., Current Protocols in Immunology, pp 6.9.1-6.9.8, Current Protocols, 1991, Measurement of antiviral activity induced by interferon α , β , and γ .	
		Daugherty, B.L. et al., Nucleic Acids Res. 19:2471-6, 1991, Polymerase chain reaction facilitates the cloning, CDR-grafting, and rapid expression of a murine monoclonal antibody directed against the CD18 component of leukocyte integrins.	
sc		Dianzani, F. J. Interferon Res. (Special Issue) 109-118, 1992, Interferon treatments: how to use an endogenous system as a therapeutic agent.	
Examiner Signature	<i>Syuan Chang</i>		Date Considered 4/12/06

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OF

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Application Number 10/005,438

Filing Date Dec. 3, 2001

First Named Inventor Tse Wen Chang

Group Art Unit 1642

Examiner Name S. UNGAR

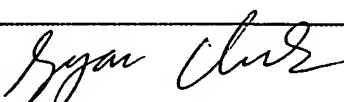
Attorney Docket Number TNX95-2ABB

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).	T 2
EX	-	Evinger, M. and Pestka, S., <i>Methods in Enzymology</i> , 79:362-8, Assay of growth inhibition in lymphoblastoid cell cultures.	
		Goeddel, D.V. et al., <i>Nature</i> , 290:20-26, 1981, The structure of eight distinct cloned human leukocyte interferon dDNAs	
		Gutterman, J., <i>Proc. Nat. Aca. Sci.</i> 91:1198-1205;1994, Cytokine therapeutics: lessons from interferon α .	
		Johns, T.G. et al., <i>Cancer Res.</i> , 50:4718-23, 1990, Pharmacokinetics, tissue distribution, and cell localization of [35 S] methionine-labeled recombinant human and murine α interferons in mice.	
		Kabat, E.A. et al., <i>Sequences of proteins of immunological interest</i> , pp 1582-98, NIH, 1991	
		Kurschner, C. et al., <i>J. Immunol.</i> 149:4096-4100, 1992, IFN- γ receptor-Ig fusion proteins.	
		Mordenti, J. et al., <i>Nature</i> , 337:525-31, 1989, Designing CD4 immunoadhesins for AIDS therapy.	
		Quesada, J.R. et al., <i>J. Clin. Oncol.</i> 4:234-243, 1986, Clinical toxicity of interferons in cancer patients: a review	
		Roche Labs, Referon A, Schering, Intron A, <i>Physicians' Desk Reference</i> , 47 edition, 1993, pp. 2006-2008, 2194-2201.	
		Roitt, I., <i>Essential Immunology</i> , 7 th edition, 1991, Blackwell Scientific Publications, pp. 45-51, Immunoglobulin classes and subclasses.	
		Saiki, R.K. et al., <i>Science</i> , 239:487, 1988, Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase.	
		Sambrook, J. et al., <i>Molecular cloning</i> , 1989, Cold Spring Harbor Laboratory Press, pp. 16.28-16.29.	
SC		Schein, C.H. and Noteborn, H.M., <i>Bio/technology</i> , 6:291-294, 1988, Formation of soluble recombinant proteins in Escherichia coli is favored by lower growth temperature.	
Examiner Signature	[Signature]		Date Considered 4/12/06

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Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).	T ₂
SE		✓ Scorer, C.A. <i>et al.</i> , <i>Gene</i> , 136:111-9, 1993, The intracellular production and secretion of HIV-1 envelope protein in the methylotrophic yeast <i>Pichia pastoris</i> .	
I		✓ Strander, H. <i>Adv. Cancer Res.</i> 46:1-265, 1986, Interferon treatment of human neoplasia.	
I		✓ Tabata, Y. <i>et al.</i> , <i>Cancer Res.</i> 51:5532-8, 1991, Effects of recombinant alpha-interferon-gelatin conjugate on in vivo murine tumor cell growth.	
SE		✓ Von Gabain, A., <i>et al.</i> , <i>Eur. J. Biochem.</i> 190:257-61, 1990, Three human interferon-α2 subvariants disclose structural and functional differences.	
		Weissmann, C. and Weber, H. <i>Prog. Nuc. Acid Res. Mol. Biol.</i> 33:251-300, 1986, The interferon genes.	
SE		✓ Wilkinson, D.L. and Harrison, R.G., <i>Bio/technology</i> , 9:443-448, 1991, Predicting the solubility of recombinant proteins in <i>Escherichia coli</i> .	
I		✓ Zoon, K.C. <i>Interferon</i> , 9:1-12, 1987, Human interferons: structure and function.	
I		✓ Physicians' Desk Reference 2194-2201	
SE		✓ Capon, D. <i>et al.</i> , <i>Nature</i> , 337:525-531, 1989, Designing CD4 Immuno adhesions for AIDS Therapy	
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